

Technical Data Sheet

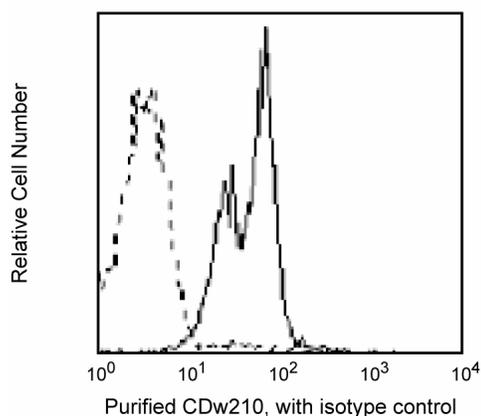
Purified NA/LE Rat Anti-Human CDw210

Product Information

Material Number:	556011
Alternate Name:	IL-10 receptor
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	3F9
Isotype:	Rat IgG2a, κ
Reactivity:	QC Testing: Human
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 μ m sterile filtered. Endotoxin level is \leq 0.01 EU/ μ g (\leq 0.001 ng/ μ g) of protein as determined by the LAL assay.

Description

Reacts with 90-110 kDa protein expressed on T cells, B cells, NK cells, and monocyte/macrophages. It belongs to the class II cytokine receptor family which includes IFN γ R (CDw119), IFN α / β R (CD118) and tissue factor (CD142). IL-10R has been found to play a role in signal transduction by activating specific STAT proteins (STAT3 and STAT1) and inducing gene transcription. Other reports indicate that IL-10 protein binding to NK cells appears to be stimulatory, in contrast to its binding to T cells and monocytes/macrophages. Clone 3F9 is specific for human IL-10R and its binding to the receptor can be blocked by recombinant human IL-10 (rhIL-10).



Profile of peripheral blood lymphocytes analyzed by flow cytometry.

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555840	Purified NA/LE Rat IgG2a, κ Isotype Control	0.5 mg	R35-95
554014	Biotin Goat Anti-Rat Ig	0.5 mg	Polyclonal
554061	PE Streptavidin	0.5 mg	(none)
554611	Recombinant Human IL-10	5 μ g	(none)

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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References

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Liu Y, de Waal Malefyt R, Briere F, et al. The EBV IL-10 homologue is a selective agonist with impaired binding to the IL-10 receptor. *J Immunol*. 1997; 158(2):604-613. (Biology)